

[11] [21] 55254

[4] BIS-ISOQUINOLINIUM COMPOUNDS,  
THEIR PREPARATION AND  
PHARMACEUTICAL COMPOSITIONS  
CONTAINING THEM

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ותכשירי רוקחות המכילים אותן

[22] 31.7.1978

[31] 820794

[32] 1.8.1977

[33] U.S.A.

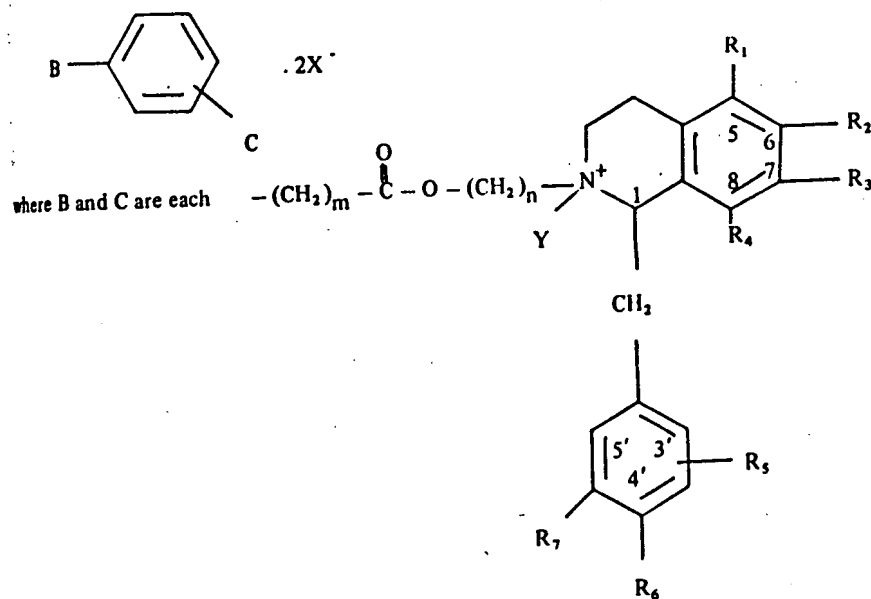
[51] Int. Cl.<sup>3</sup> C07D 217/20; A61K 31/47

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[57] Compounds having neuromuscular  
blocking activity of the formula



י"ז בניסן התשמ"ג — March 31, 1983

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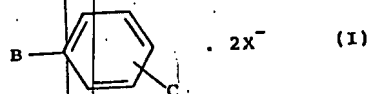
where m and n are 2, 3 or 4; C is *para* or *meta*  
to B; R<sub>1</sub>, R<sub>2</sub>, R<sub>3</sub>, R<sub>4</sub>, R<sub>5</sub>, R<sub>6</sub> and R<sub>7</sub> are  
hydrogen or C<sub>1</sub>-C<sub>4</sub> alkoxy; Y is C<sub>1</sub>-C<sub>4</sub>  
alkyl, and X is a pharmaceutically accept-

able anion, provided that at least one of  
R<sub>1</sub> to R<sub>4</sub> and at least one of R<sub>5</sub> to R<sub>7</sub>  
is lower alkoxy (88 pp)

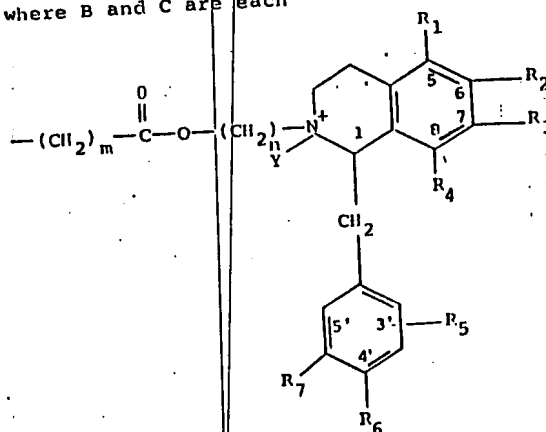
*citation not required*  
 - 68 - *aplic 71837*  
 (552541)

WHAT WE CLAIM IS:

1. A compound of the formula (I)



where B and C are each



where m is 2, 3 or 4, C is para or meta to B, n is 2, 3 or 4,  $R_1$ ,  $R_2$ ,  $R_3$ ,  $R_4$ ,  $R_5$ ,  $R_6$  and  $R_7$  are the same or different and are each hydrogen or lower alkoxy of 1 to 4 carbon atoms, Y is lower alkyl of 1 to 4 carbon atoms, and X is a pharmaceutically acceptable anion, provided that at least one of  $R_1$  to  $R_4$  is lower alkoxy and at least one of  $R_5$  to  $R_7$  is lower alkoxy.

2. The compound of claim 1 where  $m = 2$ ,  $n = 3$ , Y is methyl, one or two of  $R_1$  to  $R_4$  are hydrogen and the others are methoxy and two or three of  $R_5$  to  $R_7$  are methoxy and when two are methoxy the other is hydrogen.